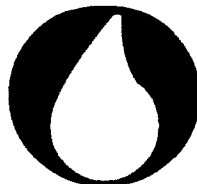




SDMS Doc ID 165642



April 10, 2000

Ms. Catherine McCracken  
Superfund Division, USEPA Region 9  
75 Hwthorne Street (SFD-3)  
San Francisco, CA 94105

Dear Ms. McCracken:

EcoMat is pleased to send you this newsletter, indicating a rather exciting new step in the issue of perchlorate management and remediation. We believe that this relatively simple technology should be considered for applications wherever they might be found.

Ecomat is a company that has been supplying denitrification equipment to the commercial aquarium industry. As such it is the ONLY company providing sufficiently compact and economical equipment to aid that industry in its cost-cutting efforts. We are now moving into the fields of waste treatment and remediation, as well as drinking water applications.

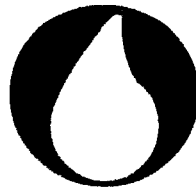
We would be delighted if you were to ask for further information. Pete Hall is prepared to provide any and all details of our patented system. You are also welcome to visit our offices in Hayward, California.

Very truly yours,

Dr. Jerry L. Shapiro  
President

*Added to IRSC mailing list 7/5/00 - CM.*

**EcoMAT** Inc.  
Water Purification



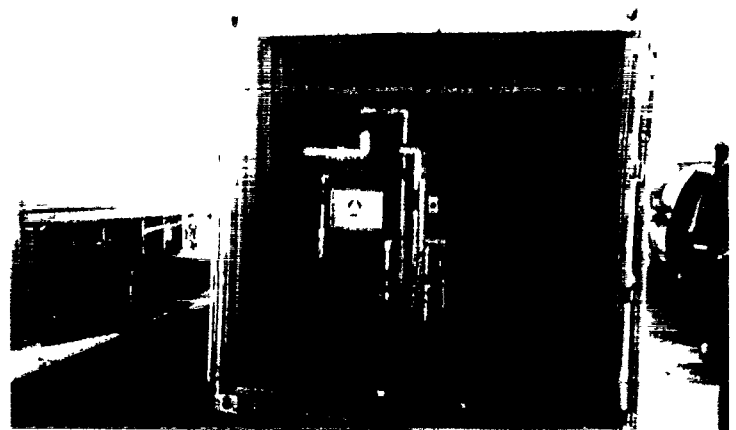
## Perchlorate Remediation at a DOD Site in California

A small perchlorate remediation system built by EcoMat is currently operating successfully at a Department of Defense site in Southern California.

This is a 200 liter reactor system, which is designated De-Perc 200. It takes water from several different tanks, remediating the perchlorate using naturally occurring bacteria and returning it to those tanks.

EcoMat assembled the system at our facilities in Hayward, California, started up the bacteria culture, and put the entire system on a pickup truck for delivery to the site. It was operating within several days of delivery.

It is currently operating at about three gpm, reducing perchlorate from over 300 ppb to non detectable levels with a hydraulic retention time of less than twenty minutes. Below is a photo of the installation:



Above is a closeup of the system showing the relatively simple components which make up the De-Perc 200 unit.

The basic EcoMat system is virtually identical to a large number of de-nitrification systems that are in operation in aquariums and drinking water applications. The patented Hall reactor on which it is based can be built in sizes as large as one hundred cubic meters

For further information, please see our web site <[www.ecomatinc.com](http://www.ecomatinc.com)>, or write to us at e-mail site [ecomat@wenet.net](mailto:ecomat@wenet.net). Alternatively, feel free to call:

Peter J. Hall, Executive Vice President  
510/783-5885

**EcoMAT**<sub>Inc</sub>  
Water Purification